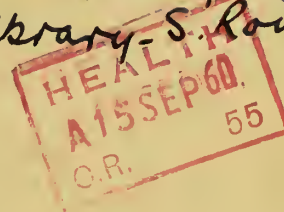


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FRINTON AND WALTON
URBAN DISTRICT
COUNCIL



ANNUAL REPORT

of the
Medical Officer of Health
for 1959



THE ANNUAL REPORT
OF THE
MEDICAL OFFICER OF HEALTH
INCLUDING A REPORT

by the Chief Public Health Inspector



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Public Health and Housing
Committee

Estates and Works
Committee

Town Planning and Byelaws Committee

PUBLIC HEALTH OFFICERS

R. D. PEARCE, M.R.C.S.(Eng.), L.R.C.P.(Lon.), D.P.H.

Medical Officer of Health.

J. GRAY, M.A.P.H.I., Cert. R.S.I. and S.I.E. Jt. Board,

Cert. R.S.I. Meat and Foods.

Public Health Inspector.

Miss D. CRANE

Typist/Clerical Assistant.

FRINTON AND WALTON URBAN DISTRICT COUNCIL

Telephones:
Frinton 581.

Public Health Department,
The Council House,
Frinton-on-Sea.

April 1960.

To the Chairman and Members of the
Frinton and Walton Urban District Council.

Mr. Chairman, Mrs. Mead and Gentlemen,

It is again my pleasure to present the Annual Report on the state of Public Health in the Urban District of Frinton and Walton for 1959 which will long be remembered for the fine summer.

The health of the community remains at a high level. 85 cases of infectious disease were notified during the year, and of these measles notifications accounted for 70. No notifications of Poliomyelitis were received although the appearance of the disease in other parts of the country indicates that much research into the behaviour of the polio virus remains to be done. Mass immunisation of the population, at greatest risk, has played its part in the limitation of the disease.

In each of my districts there has been a greater number of the children immunised against diphtheria and whooping cough and vaccinated against smallpox than in recent years. This is most encouraging and it is to be hoped that parents will continue to take advantage of the facilities offered by their general practitioners and also by the clinics in the area.

The Council gave much time to the discussion of the sewerage problems during the year. Unfortunately through circumstances beyond their control certain of their proposals were delayed. There is no doubt that active consideration will be given to the compost system of sewage and refuse disposal during the next year. Whilst considering new schemes all modern developments deserve investigation and it is hoped that the Council will be able to proceed as quickly as possible with the plant on which they eventually decide. The beaches on this coast are a great amenity, for without them the holiday trade would surely not exist.

The rapid development which is taking place in the district at the moment, whether by reason of the electrification of the railway to London or by reason of the attraction of a pleasant neighbourhood, together with the increasing popularity of the district as a holiday resort, has caused much added work to the Public Health Department. The continuous flow of new legislation concerned with public health and additional administrative duties have contributed to the difficulties which have now arisen. The time has arrived when it is not possible for adequate inspections to be carried out and I hope the Council will earnestly consider the appointment of an additional Public Health Inspector, in order that the high standards to which we are accustomed can be maintained.

In conclusion I record my thanks to the Public Health Committee for their good humour and co-operation, and to the Public Health Inspector I extend my gratitude for his co-operation.

I am,

Your obedient Servant,

R.D.PEARCE,

Medical Officer of Health.

STATISTICAL MEMORANDUM

Urban District of	...	Frinton and Walton	
Area in acres	...		6,293
Population:			
1951 Census	...	...	8,448
1959 Registrar General's estimate			9,210
Density of estimated population per acre	...		1.5
Rateable value	...	...	£160,158
Sum represented by a penny rate	...	...	£615
Number of inhabited houses (estimate)	...	...	3,600
Total live births	...	...	104
Birth rate (crude)	...	...	11.3
Birth rate corrected	...	...	13.0
Birth rate (England and Wales)	...	...	16.5
Number of illegitimate births	...	...	6
Percentage of total births	...	...	5.8
Total live and still births	...	...	105
Total still births	...	...	1
Still birth rate	...	...	9.5
Still birth rate (England and Wales)	...	...	20.7
Total deaths	...	...	168
Death rate (crude)	...	...	18.2
Death rate corrected	...	...	14.0
Death rate (England and Wales)	...	...	11.6
Deaths of infants under 1 year of age	...	...	2
Infant mortality rate	...	...	19.2
Infant mortality rate (England and Wales)	...	...	22.0
Infant mortality rate - legitimate	...	...	20.4
Infant mortality rate - illegitimate	...	...	-
Neo-natal mortality rate	...	...	9.6
Early neo-natal mortality rate	...	...	9.6
Perinatal mortality rate	...	...	19.0
Deaths from diarrhoea (under 2 years of age)	...	...	-
Maternal deaths	...	...	-
Maternal mortality rate	...	...	-
Cancer deaths	...	...	41
Tuberculosis deaths	...	...	-

VITAL STATISTICS

The Registrar General's estimate of the mid year population is increased by 380.

There were 16 more live births in the district than in 1958 with a corresponding rise in the birth rate, although this continues to be lower than the National birth rate.

The infant mortality rate of 19.2 is 2.8 lower than the National rate and the stillbirth rate is lower than in the previous year and is above the rate for England and Wales.

The death rate is higher than in 1958 but this rise cannot be considered significant.

LIVE BIRTHS DURING 1959

	Male	Female	Total
Legitimate	38	60	98
Illegitimate	2	4	6
	40	64	104

DEATHS AT VARIOUS AGES DURING 1959

Under 1 year	2
1 and under 5 years	-
5 and under 15 years	1
15 and under 25 years	1
25 and under 45 years	3
45 and under 65 years	23
65 and under 75 years	42
75 and upwards	96
	168

CAUSES OF DEATH DURING 1959 (R.G.)

	Male	Female	Total
Pulmonary Tuberculosis ...	-	-	-
Infective and parasitic diseases	1	-	1
Cancer ...	18	23	41
Vascular lesions of nervous system	16	23	39
Heart disease ...	24	21	45
Other circulatory diseases ...	-	3	3
Influenza ...	2	2	4
Pneumonia ...	2	5	7
Bronchitis ...	6	1	7
Other diseases of respiratory system	1	-	1
Ulcer of stomach and duodenum ...	3	1	4
Gastritis, enteritis and diarrhoea	-	1	1
Hyperplasia of prostate ...	1	-	1
Other defined and ill-defined diseases	4	6	10
Motor vehicle accidents ...	-	1	1
All other accidents ...	-	2	2
Suicide ...	1	-	1
	79	89	168

PREVENTION AND CONTROL OF INFECTIOUS AND OTHER DISEASES

Disease	Total Cases Notified	Cases admitted to Hospital	Total Deaths
Dysentery	1	-	-
Infective Hepatitis	1	-	-
Measles	70	-	-
Pneumonia	8	1	-
Scarlet Fever	1	-	-
Whooping Cough	4	-	-
	85	1	-

IMMUNISATIONS IN 1959

DIPHTHERIA

Age	Primary Course	Boosting Dose
0 - 5	55	} 19
5 - 15	5	

WHOOPIING COUGH

0 - 5	49	-
5 - 15	-	-

POLIOMYELITIS

	Two Injections	Third Injections
0 - 5	121	205
5 - 15	149	504

TUBERCULOSIS

There were no new cases of Tuberculosis notified and no deaths occurred during the year 1959.

Notifications and deaths from Tuberculosis since 1956:-

Year	New Cases	Deaths
1956	-	-
1957	4	-
1958	2	4
1959	-	-

The following figures give the number of cases on the Register at the end of 1959:-

Respiratory Male	27	Non-Respiratory Male	7
Respiratory Female	13	Non-Respiratory Female	4
	<u>40</u>		<u>11</u>

Total Cases: 51.

NATIONAL ASSISTANCE ACT, 1948.

NATIONAL ASSISTANCE (AMENDMENT) ACT, 1951.

No formal action was necessary during 1959.

FOOD POISONING OUTBREAKS.

Total number of outbreaks	Number of Cases	Number of Deaths	Organisms or other agents responsible with number of outbreaks attributable to each	Food involved with number of outbreaks associated with each food
Nil	-	-	-	-

LABORATORY INVESTIGATIONS OF WATER, FOOD, ETC.

(a) WATER

Examination	Tendring Hundred Waterworks Company's Supply	Kirby-le-Soken Supply	Private Sources
	Satis- factory	Unsatis- factory	Satis- factory
Bacteriological	2 -	4 -	1 -

(b) MILK

Tuberculin Tested	-	2	satisfactory
Pasteurised	-	5	satisfactory

(c)	ICE-CREAM			
		Grade I	Grade II	Grade III
	10	7	2	1

(d)	OTHER FOODS		
	Food	Satisfactory	Unsatisfactory
	Iced Lollies	5	-

(e)	MILK CONTAINERS		
		Satisfactory	Unsatisfactory
	Machine Cleansed Milk Bottles	5	1

(f)	FAECAL SPECIMENS	
	1	negative

REPORT OF THE PUBLIC HEALTH INSPECTOR
ON THE SANITARY CIRCUMSTANCES OF THE AREA

WATER SUPPLY

Practically the whole of the water supplied to the Frinton and Walton Urban District was obtained from the Dedham Pumping Station of the Tendring Hundred Waterworks Company, with some assistance from the Company's subsidiary sources at Lawford during the summer peak period.

The quantity of water supplied in the 12 months ended 31st December, 1959, amounted to 202.107 million gallons, an average daily consumption of 0.554 million gallons, with a peak of 0.821 million gallons per day.

The total quantity taken for domestic purposes during the year was 167,070 million gallons, an average daily consumption of 0.458 million gallons. The total amount taken through trade meters was 35.037 million gallons, an average daily consumption of 0.095 million gallons.

The total number of connections (domestic and trade) made in the year to the Company's mains in the Urban District, amounted to 178.

Approximately 798 yards of new mains of 3", 4" and 6" diameter have been laid in the Frinton and Walton District during the year; also 78 yards of 3" diameter main have been relaid in Church Lane, Great Holland, and 15 yards of 4" diameter main have been relaid in Newgate Street, Walton.

The water is satisfactory both in quality and quantity.

Early in 1959, the Laboratory reported satisfactory bacteriological findings upon samples of the Kirby-le-Soken Water Supply which at the latter part of 1958, had shewn some contamination necessitating the cleansing of collection chamber, pipelines etc. and treatment of the water. Similar satisfactory results were subsequently reported upon check samples of the water sent for examination at intervals throughout 1959. As stated in the last Annual Report, it was thought probable that the frequent and intensive rainfalls experienced during 1958 caused surface contamination to

penetrate and pollute the Supply, the source of which is an underground stream.

A few houses in the rural areas of Kirby-le-Soken and Great Holland rely for domestic water on private wells, which are kept under observation. One new well-water supply was provided during the year.

The approximate number of dwelling-houses supplied by public water mains is:-

	Houses	Population
A. Direct to houses	3,470	8,700
B. Standpipes	100	300

SANITARY ADMINISTRATION

The following is a synopsis of the principal work carried out by the Public Health Inspector during 1959:-

Inspections (Public Health and Housing Acts)	650
Other Inspections ...	520
Informal Notices served ...	193
Informal Notices complied with ...	161
Formal Notices served ...	16
Formal Notices complied with ...	20

The following are the Principal Improvements obtained:-

HOUSING

Roofs repaired ...	7
Gutters and spouting, repaired or renewed	7
Chimney stacks repaired ...	2
Walls damp-proofed ...	9
Wall plinths provided ...	2
Floors repaired ...	4
Floors renewed ...	2
Floor skirtings repaired or renewed...	2
Sub-floor ventilation provided or improved	3
Wall and ceiling plaster repaired ...	14
Ceilings lined ...	2
Door repairs or renewals ...	4

Windows repaired	...	...	5
Windows, new provided	...	...	1
Kitchen sinks provided or renewed	...	...	2
Rooms cleansed and decorated	...	...	9
Larder ventilation provided	...	...	2
Hot water systems provided	...	...	4
Baths provided	...	...	4
Wash hand basins provided	...	...	4
Yards and Outbuildings cleansed	...	...	2
WATER SUPPLY			
Internal water supply provided	...	...	2
New well supply provided	...	...	1
DRAINAGE			
Drainage systems provided	...	...	3
Drainage systems repaired or improved	...	...	14
Drainage systems renewed in part	...	...	8
Drainage systems cleansed	...	...	24
Sewer connections made	...	...	3
Drainage ditches cleansed and graded	...	...	5
Cesspits emptied and cleansed	...	...	57
CLOSETS			
Pail-closets abolished	...	...	2
Water-closets provided	...	...	3
W. C. accommodation repaired	...	...	15
W. C. accommodation improved	...	...	4
W. C. accommodation cleansed and redecorated	...	...	10
YARD PAVING			
Concrete yard paving provided	...	...	1
Yard surfaces repaired	...	...	3
DUSTBINS			
Defective bins renewed	...	...	137
NUISANCES			
Animal nuisances abated	...	...	5
Insect nuisances abated	...	...	74
Rooms fumigated	...	...	14
Rubbish accumulations removed	...	...	10

Offensive accumulations removed	...	1
Vacant Plots cleared	...	4

SCHOOLS

Separate staff sanitary accommodation provided	2
--	---

FOOD PREMISES

Modern kitchen premises provided	...	1
Walls, ceilings and floors cleansed, number of premises	...	6
Ceiling and wallplaster repairs, number of premises	...	7
Walls tiled	...	3
Premises redecorated throughout	...	8
Premises redecorated in part	...	2
New food equipment provided, number of premises		4
Constant supply of hot water provided to staff wash-basins	...	1
Separate staff hand-washing basins provided		1
Modern food preparation tables provided		4
Impervious tops provided to food preparation tables		3
Tiled splash surrounds provided to sinks		2
Separate female sanitary accommodation provided		1
Miscellaneous improvements	...	14

COMPOST

The dry summer led to a general shortage of grass cuttings, etc., and this interfered with the production of compost during the year. Nevertheless, it was possible to produce approximately $10\frac{1}{4}$ tons of material, all of which was sold to local residents. Receipts amounted to £28. 14. Od.

CLEAN AIR ACT, 1956

Following representations to the occupiers of factory premises in Walton-on-Naze, modern and improved dust and grit arresters were installed at the base of boiler chimneys. The improvement eliminated further complaints of nuisances by residents in the area.

DRAINAGE

Brief particulars of drainage improvements are set out in Page 12.

RIVERS AND STREAM POLLUTION

During the year, action was necessary to secure the de-sludging and cleaning of a watercourse known as the Kirby Brook, which was found to be in silted up and offensive condition.

ERADICATION OF BED BUGS

Number of Infested Houses:-

Council Houses	Nil
Other Houses	4

Number of Houses Disinfested:-

Council Houses	Nil
Other Houses	4

VERMIN, MOTH, ETC.

Rooms fumigated	9
Caravans fumigated	2
Bedding steam disinfested	2 lots
Carpets and other articles steam disinfested	2 lots

MOSQUITO DESTRUCTION

Spraying of mass breeding areas with Larvicide is carried out at the appropriate season of the year. Larvicide is also made available to local residents, at a small charge, for the treatment of minor breeding areas on private land. Breeding areas were affected by the prolonged dry summer, and mosquitoes were not prevalent during the year.

SEWERAGE AND SEWAGE DISPOSAL

The installation of a second pump at Walton-on-Naze Sewage Works was completed during the year and will provide extra pumping capacity to deal with heavy rainfall.

In May the Council's consulting engineers submitted their report dealing in general with the main drainage of the urban district and, in particular, with the construction of additional main sewers in Walton, sea outfall for storm water, pumping main outlet into the Backwaters. They also submitted proposals for new sewers and disposal works at Great Holland.

Consideration is being given to an alternative site for the disposal works and to extending the sewerage proposals

at Great Holland. Discussions have ensued with Government departments regarding the new disposal works at Walton, method of treatment and discharge of effluent and, pending agreement on these matters, the consultants are to submit revised and detailed proposals for the Hall Lane and Churchfield Road main sewers and any consequent alterations at the existing works. Subsequent indications of a considerable increase in population to be provided for under the County Development Plan will affect these proposals.

SHOPS ACT, 1950

Some 29 inspections of shop premises, excluding food shops and catering premises, were made during the year. As a result of informal action, improvements were carried out to staff sanitary accommodation, and lighting and ventilation of shop rooms.

DISINFECTIONS

Rooms and contents fumigated	9
Caravans and contents fumigated	2
Bedding steam disinfected	4 lots
Bedding and clothing destroyed	5 lots
Library books disinfected	9

ESSEX COUNTY COUNCIL ACT, 1952 - HOUSEBOATS

With the Council's consent, given subject to the maintenance of satisfactory sanitary conditions, 14 houseboats were moored in and adjoining the Yacht Club Tidal Basin, Walton. The majority of houseboats are used by owners as holiday accommodation during the summer months.

PORT SANITATION

No action was required under the Port Sanitary Regulations.

PREVENTION OF DAMAGE BY PESTS ACT, 1949

Visits by Public Health Inspector	40
Visits by Rodent Operator	790

CAMPING AND CAMPING SITES

Licensed camping sites provided accommodation for 1,528 caravans during the year. There are 8 sites in Walton-on-Naze and 1 small site in Kirby-le-Soken. All are seasonal

camps, provided with main drainage and mains water supply. Development of the Martello Camp, Walton-on-Naze, with accommodation for a maximum of 775 caravans, should be completed before the camping season of 1961. Effective sanitary control of sites is secured by licence conditions and in general there is little cause for complaint. Numerous improvements to sanitation and arrangements were carried out in the close season. Refuse from camps, with one exception, is removed regularly and frequently by the Council's refuse vehicles, at the expense of site operators.

Three individual caravans in different parts of the area, were licensed during the year for use as holiday accommodation.

Overnight camping on roadside verges is rapidly becoming a problem, particularly in Great Holland where wide grass verges adjoining the main highway attract motorists who park their cars and pitch and use tents for one or more nights, leading to the soiling of verges and adjacent land by faecal matter and the indiscriminate dumping of food wrappings, rubbish and litter. Although not the highway authority, the Council was compelled in the interests of the district to arrange from time to time for the scavenging of the verges and the removal of obnoxious matter. Some method of controlling roadside camping is very necessary, in the interests of both public health and amenity. Preliminary discussions have already taken place with the Highway Authority and the Police.

HOUSING

INSPECTION

Total number of houses inspected for housing defects under Housing or Public Health Acts	184
--	-----

HOUSING ACTS

Number of Houses in respect of which demolition orders were made	Nil
Houses demolished	Nil
Number of Houses in respect of which closing orders were made	1
Undertakings not to re-let for human habitation	3
Houses closed	4
Houses inspected for overcrowding or permitted numbers	8

REPAIRS

Unfit houses rendered fit and houses in which defects were remedied during the year as a result of INFORMAL ACTION under the Housing or Public Health Acts

49

NEW HOUSES ERECTED DURING 1959

	Commenced	Completed
By the Council	Nil	Nil
By Private Enterprise	183	142

COUNCIL HOUSING SITES

The Council has decided to build two further bungalows in Second Avenue, Walton-on-Naze, and six dwelling units (Flats and houses) on land in Thorpe Road, Kirby Cross.

Council houses erected since 1946: 146

IMPROVEMENT GRANTS

During the year, 9 Standard Grants in respect of 9 dwelling units were approved by the Council, and 6 Discretionary Grants in respect of 12 dwelling units.

INADEQUATELY HOUSED FAMILIES

Eleven families were re-housed in Council houses and bungalows during 1959. The number of applicants on the Waiting Lists for houses and bungalows at the end of the year was 70.

REQUISITIONED HOUSING ACCOMMODATION

The last of 64 houses, requisitioned by the Council for housing purposes, was released during August, 1959.

FOOD

FOOD PREMISES

The following summary shows the number of premises at which food for human consumption is sold or prepared for sale, and the number of visits paid.

Premises	Number	Inspections
Grocers and Provision Merchants	29	22
Restaurants	27	61

Premises	Number	Inspections
Hotels and Guest Houses	30	21
Seasonal Refreshment Kiosks	11	11
School Canteens	5	2
Workshop Canteen	1	2
Clubs etc.	11	4
Butchers	11	84
Bakeries and Cake Shops	15	33
Wet Fish Shops	6	9
Fried Fish Shops	4	8
Dairy	1	4
Milk Shops	7	7
Food Hawkers Premises	2	2
Greengrocers and Fruiterers	11	14
Confectioners	19	9
Ice-Cream	57	29
	247	322

REGISTRATION OF FOOD PREPARATION PREMISES

The number of food premises registered with the Council under the Food and Drugs Act or the Essex County Council Act is as follows:-

Ice-cream, sale	57
Shell-fish, preparation	1
Fried Fish Shops	4
Sausage and Preserved Meats, preparation	17

INSPECTION OF MEAT AND OTHER FOODS

There are no slaughterhouses in the Urban District. Most of the meat supplied to the area is obtained by local purveyors from wholesale suppliers. One or two purveyors arrange for live animals to be slaughtered in a private licensed slaughterhouse in an adjoining District. Meat and foods, under preparation and exposed for sale, are inspected from time to time and as occasion arises.

The following List gives particulars of diseased or unsound meat and foods which were surrendered voluntarily for destruction.

Food	Weight in Lbs.
Fish ...	18
Fish, tinned ...	20

Food	Weight in Lbs.
Fish, packeted ...	72
Meat, tinned ...	118
Meat, packeted ...	56
Vegetables, packeted	70
Fruit, packeted ...	10
Pastry, packeted ...	25
Ice-cream, packeted	212

MILK SUPPLY

There is one registered dairy in the area. The building, plant and equipment, and arrangements for the pasteurization, handling and distribution of milk are satisfactory. The milk supply for the Urban District is obtained from local dairy farms and Dairy Companies having premises outside the area.

Registered distributors of milk number 12.

Under the provisions of the Milk (Special Designations) Regulations, 1949, 6 dealers were granted licenses authorizing the use of the special designations Tuberculin Tested, Pasteurised and Sterilized in relation to milk sold locally.

ICE CREAM

Ice-cream is sold throughout the area under satisfactory conditions. At the end of the year, there were 57 vendors of ice-cream on the Register. There are no manufacturers of ice-cream in the area.

BAKEHOUSES

The 8 bakehouses received some 22 visits of inspection, and a number of improvements were carried out following informal action. There are no underground bakehouses in the area.

FOOD HYGIENE

Advice to managements and food handlers in the hygienic handling, preparation, storage, display and distribution of foodstuffs was continued during the year at foodshop and catering premises. An advance in food hygiene matters generally has undoubtedly taken place during the last

few years, but conditions cannot be said to be always satisfactory. This applies in particular to the "rush" season. Inadequate space and cramped working conditions are nearly always present in premises converted or adapted as foodshops and catering premises, and these defects have been found to interfere with the adequate hygienic maintenance of premises, plant and equipment. Wholly satisfactory hygienic conditions and arrangements, including personal hygiene on the part of food handlers, is unlikely to be achieved until managements exercise full responsibility for the implementation of the provisions of the Food Hygiene Regulations.

PUBLIC CLEANSING

REFUSE COLLECTION

Domestic refuse is collected weekly from all dwelling-houses, three modern rear-loading refuse vehicles being employed all the year round. During the summer season an additional vehicle is engaged in the regular and frequent clearance of refuse from hotels, restaurants, large guest-houses and camping grounds. Trade refuse is removed by arrangement.

The weight of refuse collected during 1959 is estimated to have been 3,900 tons. Income from all sources in respect of refuse collection, removal and disposal, amounted to £951.

It will be necessary early in 1960 to re-organise refuse collection rounds to ensure a regular weekly service in respect of all new properties, in consequence of considerable and rapid housing development in parts of the area.

REFUSE DISPOSAL

Following the acquisition by the Council of a David Brown track-type tractor, and 2 cu. yd. earth scraper, the properly controlled disposal of refuse at the refuse disposal site in Maltings Lane, Kirby-le-Soken was introduced in October 1959. The new equipment quickly proved its worth; not only in refuse dozing and tip levelling and consolidation, but in the excavation of inert refuse for use as covering material as well as for weed clearance and general purposes.

The equipment is also proving useful for other Council schemes, and during the winter months the controlled tipping of

refuse was commenced on the Bath House Meadow, Walton-on-Naze, in order to raise the level of the land for development as a car park and recreation ground for children.

Anti-rodent/fly measures are regularly undertaken on all land in use for refuse disposal purposes.

Some 107 new sanitary dustbins were provided in replacement of defective bins at dwelling-houses, under the Council's Dustbins Scheme, which operates very satisfactorily.

SALVAGE

The weight and value of salvage collected and sold are given in the following summary:-

	Tons.	£.
Waste Paper	$31\frac{1}{4}$	$254\frac{1}{2}$
Metals, Textiles, etc.	$4\frac{1}{2}$	$59\frac{1}{2}$
	<u>$35\frac{1}{2}$</u>	<u>314</u>

STREET SCAVENGING

The cleansing of County and district roads within the Urban District is carried out by a Lewin Mechanical Sweeping Machine, and by hand sweeping. The machine has achieved a higher standard of carriageway cleansing throughout the area.

Arrangements have been made with several farmers to assist with clearing main roads following heavy snowfall.

PUBLIC CONVENIENCES

There are 13 public conveniences in the district. During the year the Council decided that schemes should be prepared for major alterations and additions to the conveniences facing the Pier, Walton, and for new conveniences, combined with a cafeteria on the Bath House Meadow. Consideration is also being given to improvements at the South-cliff, Eastcliff and Naze Park Road Conveniences in Walton-on-Naze, and the Kiosk Field Conveniences in Frinton-on-Sea.

SUNSHINE AND RAINFALL RECORDS

Readings were taken throughout the year at the Meteorological Station, Walton-on-Naze, and transmitted to the Air Ministry.

The year was exceptional for its high sunshine total amounting to 2,076 hours with July providing the highest monthly total of 314 hours or 10.1 hours per day average. There were only 60 sunless days throughout the year and the maximum daily sunshine was 15.5 hours on June 17th.

Rainfall was very low, not much more than half that of 1958. A total of 16.78 inches of rain fell with December the wettest month when 3.37 inches were recorded. On the 10th August 0.85 inches of rain fell. There were 238 rainless days throughout the year.

FACTORIES ACTS, 1937 & 1948

PART I OF THE ACT

1. Inspections for purposes of provisions as to health.

Premises (1)	Number on Reg- ister (2)	Number of Inspec- tions (3)	Number of Written Notices (4)	Occupi- ers prose- cuted (5)
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities.	22	12	5	-
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	58	26	4	-
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding outworker's premises)	-	-	-	-
Totals:	80	38	9	-

2. Cases in which defects were found.

(If defects are discovered at the premises on two, three or more separate occasions they should be reckoned as two, three or more "cases".)

Particulars (1)	No. of cases in which defects were found				Number of cases in which prosecutions were instituted (6)
	Found (2)	Remedied (3)	To H.M. Inspector. (4)	Referred By H.M. Inspector (5)	
Want of Cleanliness (S.1)	3	3	-	1	-
Overcrowding (S.2)	-	-	-	-	-
Unreasonable temperature (S.3)	-	-	-	-	-
Inadequate ventilation (S.4)	-	-	-	-	-
Ineffective drainage of floors (S.6)	-	-	-	-	-
Sanitary Conveniences (S.7)					
(a) Insufficient	2	2	-	2	-
(b) Unsuitable or Defective	2	2	-	2	-
(c) Not separate for sexes	-	-	-	-	-
Other offences against the Act (not including offences relating to Outwork)	-	-	-	-	-
Totals:	7	7	-	5	-

PART VIII OF THE ACT

OUTWORK (Sections 110 and 111

Nature of work (1)	Section 110			Section 111
	No of Out- workers in August list required by Section 110 (1)(c) (2)	No of cases of default in sending lists to the Council (3)	Number of prosecutions for failure to supply lists (4)	Number of instances of work in unwholesome premises (5)
Wearing Apparel, Making etc.	1	-	-	-

The Premises were inspected and found to be in a satisfactory condition.

Table 1. Summary of data for the 1990-1991 season.				
Station	Depth (m)	Temperature (°C)	Salinity (PSU)	Density (kg/m³)
1	0	18.5	35.2	1024.8
2	5	18.2	35.1	1024.7
3	10	17.8	35.0	1024.6
4	15	17.5	34.9	1024.5
5	20	17.2	34.8	1024.4
6	25	16.8	34.7	1024.3
7	30	16.5	34.6	1024.2
8	35	16.2	34.5	1024.1
9	40	16.0	34.4	1024.0
10	45	15.8	34.3	1023.9
11	50	15.5	34.2	1023.8
12	55	15.2	34.1	1023.7
13	60	15.0	34.0	1023.6
14	65	14.8	33.9	1023.5
15	70	14.5	33.8	1023.4
16	75	14.2	33.7	1023.3
17	80	14.0	33.6	1023.2
18	85	13.8	33.5	1023.1
19	90	13.5	33.4	1023.0
20	95	13.2	33.3	1022.9
21	100	13.0	33.2	1022.8
22	105	12.8	33.1	1022.7
23	110	12.5	33.0	1022.6
24	115	12.2	32.9	1022.5
25	120	12.0	32.8	1022.4
26	125	11.8	32.7	1022.3
27	130	11.5	32.6	1022.2
28	135	11.2	32.5	1022.1
29	140	11.0	32.4	1022.0
30	145	10.8	32.3	1021.9
31	150	10.5	32.2	1021.8
32	155	10.2	32.1	1021.7
33	160	10.0	32.0	1021.6
34	165	9.8	31.9	1021.5
35	170	9.5	31.8	1021.4
36	175	9.2	31.7	1021.3
37	180	9.0	31.6	1021.2
38	185	8.8	31.5	1021.1
39	190	8.5	31.4	1021.0
40	195	8.2	31.3	1020.9
41	200	8.0	31.2	1020.8
42	205	7.8	31.1	1020.7
43	210	7.5	31.0	1020.6
44	215	7.2	30.9	1020.5
45	220	7.0	30.8	1020.4
46	225	6.8	30.7	1020.3
47	230	6.5	30.6	1020.2
48	235	6.2	30.5	1020.1
49	240	6.0	30.4	1020.0
50	245	5.8	30.3	1019.9
51	250	5.5	30.2	1019.8
52	255	5.2	30.1	1019.7
53	260	5.0	30.0	1019.6
54	265	4.8	29.9	1019.5
55	270	4.5	29.8	1019.4
56	275	4.2	29.7	1019.3
57	280	4.0	29.6	1019.2
58	285	3.8	29.5	1019.1
59	290	3.5	29.4	1019.0
60	295	3.2	29.3	1018.9
61	300	3.0	29.2	1018.8
62	305	2.8	29.1	1018.7
63	310	2.5	29.0	1018.6
64	315	2.2	28.9	1018.5
65	320	2.0	28.8	1018.4
66	325	1.8	28.7	1018.3
67	330	1.5	28.6	1018.2
68	335	1.2	28.5	1018.1
69	340	1.0	28.4	1018.0
70	345	0.8	28.3	1017.9
71	350	0.5	28.2	1017.8
72	355	0.2	28.1	1017.7
73	360	0.0	28.0	1017.6
74	365	-0.2	27.9	1017.5
75	370	-0.5	27.8	1017.4
76	375	-0.8	27.7	1017.3
77	380	-1.0	27.6	1017.2
78	385	-1.2	27.5	1017.1
79	390	-1.5	27.4	1017.0
80	395	-1.8	27.3	1016.9
81	400	-2.0	27.2	1016.8
82	405	-2.2	27.1	1016.7
83	410	-2.5	27.0	1016.6
84	415	-2.8	26.9	1016.5
85	420	-3.0	26.8	1016.4
86	425	-3.2	26.7	1016.3
87	430	-3.5	26.6	1016.2
88	435	-3.8	26.5	1016.1
89	440	-4.0	26.4	1016.0
90	445	-4.2	26.3	1015.9
91	450	-4.5	26.2	1015.8
92	455	-4.8	26.1	1015.7
93	460	-5.0	26.0	1015.6
94	465	-5.2	25.9	1015.5
95	470	-5.5	25.8	1015.4
96	475	-5.8	25.7	1015.3
97	480	-6.0	25.6	1015.2
98	485	-6.2	25.5	1015.1
99	490	-6.5	25.4	1015.0
100	495	-6.8	25.3	1014.9
101	500	-7.0	25.2	1014.8
102	505	-7.2	25.1	1014.7
103	510	-7.5	25.0	1014.6
104	515	-7.8	24.9	1014.5
105	520	-8.0	24.8	1014.4
106	525	-8.2	24.7	1014.3
107	530	-8.5	24.6	1014.2
108	535	-8.8	24.5	1014.1
109	540	-9.0	24.4	1014.0
110	545	-9.2	24.3	1013.9
111	550	-9.5	24.2	1013.8
112	555	-9.8	24.1	1013.7
113	560	-10.0	24.0	1013.6
114	565	-10.2	23.9	1013.5
115	570	-10.5	23.8	1013.4
116	575	-10.8	23.7	1013.3
117	580	-11.0	23.6	1013.2
118	585	-11.2	23.5	1013.1
119	590	-11.5	23.4	1013.0
120	595	-11.8	23.3	1012.9
121	600	-12.0	23.2	1012.8
122	605	-12.2	23.1	1012.7
123	610	-12.5	23.0	1012.6
124	615	-12.8	22.9	1012.5
125	620	-13.0	22.8	1012.4
126	625	-13.2	22.7	1012.3
127	630	-13.5	22.6	1012.2
128	635	-13.8	22.5	1012.1
129	640	-14.0	22.4	1012.0
130	645	-14.2	22.3	1011.9
131	650	-14.5	22.2	1011.8
132	655	-14.8	22.1	1011.7
133	660	-15.0	22.0	1011.6
134	665	-15.2	21.9	1011.5
135	670	-15.5	21.8	1011.4
136	675	-15.8	21.7	1011.3
137	680	-16.0	21.6	1011.2
138	685	-16.2	21.5	1011.1
139	690	-16.5	21.4	1011.0
140	695	-16.8	21.3	1010.9
141	700	-17.0	21.2	1010.8
142	705	-17.2	21.1	1010.7
143	710	-17.5	21.0	1010.6
144	715	-17.8	20.9	1010.5
145	720	-18.0	20.8	1010.4
146	725	-18.2	20.7	1010.3
147	730	-18.5	20.6	1010.2
148	735	-18.8	20.5	1010.1
149	740	-19.0	20.4	1010.0
150	745	-19.2	20.3	1009.9
151	750	-19.5	20.2	1009.8
152	755	-19.8	20.1	1009.7
153	760	-20.0	20.0	1009.6
154	765	-20.2	19.9	1009.5
155	770	-20.5	19.8	1009.4
156	775	-20.8	19.7	1009.3
157	780	-21.0	19.6	1009.2
158	785	-21.2	19.5	1009.1
159	790	-21.5	19.4	1009.0
160	795	-21.8	19.3	1008.9
161	800	-22.0	19.2	1008.8
162	805	-22.2	19.1	1008.7
163	810	-22.5	19.0	1008.6
164	815	-22.8	18.9	1008.5
165	820	-23.0	18.8	1008.4
166	825	-23.2	18.7	1008.3
167	830	-23.5	18.6	1008.2
168	835	-23.8	18.5	1008.1
169	840	-24.0	18.4	1008.0
170	845	-24.2	18.3	1007.9
171	850	-24.5	18.2	1007.8
172	855	-24.8	18.1	1007.7
173	860	-25.0	18.0	1007.6
174	865	-25.2	17.9	1007.5
175	870	-25.5	17.8	1007.4
176	875	-25.8	17.7	1007.3
177	880	-26.0	17.6	1007.2
178	885	-26.2	17.5	1007.1
179	890	-26.5	17.4	1007.0
180	895	-26.8	17.3	1006.9
181	900	-27.0	17.2	1006.8
182	905	-27.2	17.1	1006.7
183	910	-27.5	17.0	1006.6
184	915	-27.8	16.9	1006.5
185	920	-28.0	16.8	1006.4
186	925	-28.2	16.7	1006.3
187	930	-28.5	16.6	1006.2
188	935	-28.8	16.5	1006.1
189	940	-29.0	16.4	1006.0
190	945	-29.2	16.3	1005.9
191	950	-29.5	16.2	1005.8
192	955	-29.8	16.1	1005.7
193	960	-30.0	16.0	1005.6
194	965	-30.2	15.9	1005.5
195	970	-30.5	15.8	1005.4
196	975	-30.8	15.7	1005.3
197	980	-31.0	15.6	1005.2
198	985	-31.2	15.5	1005.1
199	990	-31.5	15.4	1005.0
200	995	-31.8	15.3	1004.9
201	1000	-32.0	15.2	1004.8
202	1005	-32.2	15.1	1004.7
203	1010	-32.5	15.0	1004.6
204	1015	-32.8	14.9	1004.5
205	1020	-33.0	14.8	1004.4
206	1025	-33.2	14.7	1004.3
207	1030	-33.5	14.6	1004.2
208	1035	-33.8	14.5	1004.1
209	1040	-34.0	14.4	1004.0
210	1045	-34.2	14.3	1003.9
211	1050	-34.5	14.2	1003.8
212	1055	-34.8	14.1	1003.7
213	1060	-35.0	14.0	1003.6
214	1065	-35.2	13.9	1003.5
215	1070	-35.5	13.8	1003.4
216	1075	-35.8	13.7	1003.3
217	1080	-36.0	13.6	1003.2
218	1085	-36.2	13.5	1003.1
219	1090	-36.5	13.4	1003.0
220	1095	-36.8	13.3	1002.9
221	1100	-37.0	13.2	1002.8
222	1105	-37.2	13.1	1002.7
223	1110	-37.5	13.0	1002.6
224	1115	-37.8	12.9	1002.5
225	1120	-38.0	12.8	1002.4
226	1125	-38.2	12.7	1002.3
227	1130	-38.5	12.6	1002.2
228	1135	-38.8	12.5	1002.1
229	1140	-39.0	12.4	1002.0
230	1145	-39.2	12.3	1001.9
231	1150	-39.5	12.2	1001.8
232	1155	-39.8	12.1	1001.7
233	1160	-40.0	12.0	1001.6
234	1165	-40.2	11.9	1001.5
235	1170	-40.5	11.8	1001.4
236	1175	-40.8	11.7	1001.3
237	1180	-41.0	11.6	1001.2
238	1185	-41.2	11.5	1001.1
239	1190	-41.5	11.4	1001.0
240	1195	-41.8	11.3	1000.9
241	1200	-42.0	11.2	1000.8
242	1205	-42.2	11.1	1000.7
243	1210	-42.5	11.0	1000.6